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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Josef MOCIVNIK et al

Serial No.: 10/766214

Filed: January 29, 2004

For: DRILL CROWN

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

Documents AB, AC, AG and AH listed on the attached Form PTO-1449 were cited in the International Search Report. A copy of the ISR is attached.

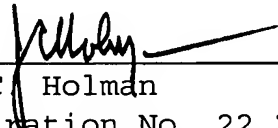
Documents AA, AC-AF and AH are discussed on page 1 of the instant specification.

In accordance with 37 CFR §1.97(b) (1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By: _____


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Atty. Dkt. No.: P69454US0
Date: April 21, 2004

INTERNATIONAL SEARCH REPORT

National Application No

PCT/AT 02/00227

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B10/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B C21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 558 170 A (SHERWOOD JR WILLIAM H ET AL) 24 September 1996 (1996-09-24) column 6, line 36 -column 7, line 22; figures 1,3,4	1,2,6-8
X	FR 2 343 885 A (KRUPP GMBH) 7 October 1977 (1977-10-07) page 1, line 1 -page 2, line 17; figures 1,2,5	1,2,6-8
X	EP 0 353 214 A (SANDVIK AB) 31 January 1990 (1990-01-31)	1,3-6
Y	column 1, line 3 -column 3, line 11; figures 2,3	7,8
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

5 November 2002

Date of mailing of the international search report

15/11/2002

Name and mailing address of the ISA

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Authorized officer

Morrish, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/AT 02/00227

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 34 08 225 A (KARNEBOGEN RICHARD) 19 September 1985 (1985-09-19) page 11, line 33 -page 14, line 33; figures 1,5 —	7,8

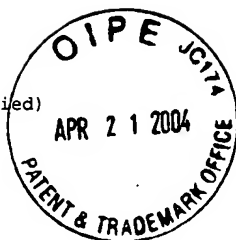
INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/AT 02/00227

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5558170	A	24-09-1996	US 5449048 A	12-09-1995
			AU 5850694 A	19-07-1994
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P69454US0
SERIAL NO.: 10/766214
APPLICANT(S): MOCIVNIK et al

GROUP ART UNIT: _____
FILING DATE: January 29, 2004
TODAY'S DATE: April 21, 2004

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE If Appropriate)
	AA 4951672	08/28/90	Buchwald et al	128	653	
	AB 5558170	09/24/96	Thigpen et al	175	57	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES) (NO)
AC 0353214	01/31/90	Europe			
AD 0573135	12/08/93	Europe			
AE 0581534	02/02/94	Europe			
AF 0943780	09/22/99	Europe			XX
AG 2343885	10/07/77	France			XX
AH 3408225	09/19/85	Germany			XX

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AI _____
AJ _____
AK _____

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)